

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) An image altering device apparatus for varying a field of view of an image producing apparatus with an optical input characterized by a camera having a panning mirror rotationally coupled to an objective of the camera for bending an optical input path to align with an optical axis of the objective, and for panning the optical input path about the optical axis, and the improvement comprising:

a mirror a tilt element rotationally coupled to the objective of the camera for concentric rotation aligned with the optical input path of the panning mirror about the optical axis and the tilt element having at least a first optically reflective plane planar surface and a second optically reflective curved convex surface displaced from one another arcuately about an axis of rotation of the tilt element; and

a driving device coupled to the mirror tilt element and adapted to rotate the mirror to a first position, for driving arcuate rotation of the tilt element about the axis of rotation of the tilt element to effect where the first plane surface is inserted into an optical path of the image producing apparatus, the optical path being external to the optical input, thereby providing a first field of view of the image producing apparatus, the driving device also being adapted to rotate the mirror to a second position, where the second curved surface is inserted into the optical path of the image producing apparatus, thereby providing a second field of view of the image producing apparatus, either a selection of a reflective surface by rotating a corresponding one of at least the first optically reflective planar surface and second optically reflective convex surface into the optical input path of the panning mirror, or a tilting of the selected field of view by tilting about the axis of rotation of the tilt element of a selected one of the at least first and second optically reflective surfaces.

Claim 2. (Currently Amended) A device according to The apparatus of claim 1, where wherein the curved second optically reflective convex surface forms a portion of a sphere.

Claim 3. (Currently Amended) A device according to The apparatus of claim 1, where wherein the first optically reflective plane planar surface has an angular displacement of 180 degrees with respect to the second optically reflective curved convex surface.

Claim 4. (Currently Amended) A device according to The apparatus of claim 1, where wherein further:

the mirror tilt element comprises including a third optically reflective surface with an optical characteristic different from the first optically reflective plane planar surface or and the second optically reflective curved convex surface; and

the driving device being adapted to rotate for driving arcuate rotation of the mirror tilt element to a third position, about the axis of rotation of the tilt element to effect a selection of where the third optically reflective surface by rotating the third optically reflective surface is inserted into the optical input path of the image producing apparatus panning mirror.

Claim 5. (Currently Amended) A device according to The apparatus of claim 4, where wherein the third optically reflective surface is defines a plane.

Claim 6. (Currently Amended) A device according to The apparatus of claim 4, where wherein the third optically reflective surface attenuates certain selected spectral components of the reflected light.

Claim 7. (Currently Amended) A device according to The apparatus of claim 6 4, where wherein the third optically reflective surface uniformly attenuates all spectral components of the reflected light are uniformly attenuated thereby operating as a grey filter.

Claim 8. (Currently Amended) A device according to claim 1, where the driving device is adapted to receive a control signal from a control unit and to rotate the mirror to the

first position or to the second position depending on a value of the control signal. The apparatus of Claim 1 wherein the axis of rotation of the tilt element aligns normal to the optical path.

Claims 9-13. (Canceled)

Claim 14. (Currently Amended) A ~~digital camera having a panning and/or tilting functionality, comprising: a camera housing with an optical input, such as a lens or objective; an image capturing unit for producing a digital image from light received through the optical input; and a controller, characterized by:~~ mirror rotationally coupled to an objective of the camera for bending an optical input path to align with an optical axis of the objective, and for panning the optical input path about the optical axis, and the improvement comprising:

~~a mirror, mounted externally to the camera 25 housing, having a first plane surface and a second curved surface, and a tilt element rotationally coupled to the objective of the camera for concentric rotation aligned with the optical input path of the panning mirror about the optical axis and the tilt element having at least a first optically reflective planar surface and a second optically reflective convex surface displaced from one another arcuately about an axis of rotation of the tilt element; and~~

~~a driving device coupled to the mirror tilt element and adapted to rotate for driving arcuate rotation of the mirror to a first position, tilt element about the axis of rotation of the tilt element to effect either a selection of a reflective surface by rotating a corresponding one of where the first optically reflective plane planar surface and second optically reflective convex surface is inserted into an the optical input path of the digital camera, panning mirror, the optical path being external to the optical input, thereby providing a first field of view of the digital camera, the driving device also being adapted to rotate the mirror to a second position, where the second curved surface is inserted into the optical path of the digital camera, thereby providing a second field of view of the digital camera. or a tilting of the selected field of view by tilting about the axis of rotation of the tilt element of a selected one of the at least first and second optically reflective surfaces.~~

Claim 15. (Currently Amended) A digital The camera according to of claim 14, where wherein the curved second optically reflective convex surface forms a portion of a sphere.

Claim 16. (Currently Amended) A digital The camera according to of claim 14, where wherein the first optically reflective plane planar surface has an angular displacement of 180 degrees with respect to the second optically reflective curved convex surface.

Claim 17. (Currently Amended) A digital The camera according to of claim 14, where wherein further:

the mirror tilt element comprises including a third optically reflective surface with an optical characteristic different from the first optically reflective plane planar surface or and the second optically reflective curved convex surface; and

the driving device being adapted to rotate for driving arcuate rotation of the mirror tilt element to a third position, about the axis of rotation of the tilt element to effect a selection of where the third optically reflective surface by rotating the third optically reflective surface is inserted into the optical input path of the image producing apparatus panning mirror.

Claim 18. (Currently Amended) A digital The camera according to of claim 17, where wherein the third optically reflective surface is defines a plane.

Claim 19. (Currently Amended) A digital The camera according to of claim 17, where wherein the third optically reflective surface attenuates certain selected spectral components of the reflected light.

Claim 20. (Currently Amended) A digital The camera according to of claim 17, where wherein the third optically reflective surface uniformly attenuates all spectral components of the reflected light are uniformly attenuated thereby operating as a grey filter.

Claim 21. (Currently Amended) A digital camera according to claim 14, where the driving device is adapted to receive a control signal from a control unit and to rotate the

~~mirror to the first position or to the second position depending on a value of the control signal.~~ The camera of Claim 14 wherein the axis of rotation of the tilt element aligns normal to the optical path.

Claims 22-30 (Canceled)